Having described the invention, the following is claimed:

1. A method for producing a releasable copper foil on a carrier substrate, comprising the steps of:

vapor-depositing a layer of copper onto a carrier substrate having a separation facilitating layer formed thereon, wherein the vapor-deposited layer protects the separation facilitating layer during subsequent processing; and

electrodepositing a layer of copper onto the vapor-deposited layer of the metal, thereby increasing the thickness of the copper layer.

- 2. A method according to claim 1, wherein said separation facilitating layer includes at least one metal oxide.
- 3. A method according to claim 2, wherein said metal oxide is selected from the group consisting of: aluminum oxide, tin oxide, chromium oxide, nickel oxide, copper oxide, an oxide of stainless steel and zinc oxide.
- 4. A method according to claim 1, wherein said separation facilitating layer includes at least one organic material.
- 5. A method according to claim 4, wherein said separation facilitating layer includes at least one organic material selected from the group consisting of: silane, benzotriazole (BTA), and isopropyl alcohol.
- 6. A method according to claim 1, wherein said separation facilitating layer has a thickness in a range of 5Å to 1000Å.
- 7. A method according to claim 1, wherein said carrier substrate is comprised of copper.
- 8. A method according to claim 7, wherein said separation facilitating layer is a stabilization layer.

- 9. A method according to claim 8, wherein said stabilization layer includes chromium oxide and zinc oxide.
- 10. A method according to claim 1, wherein said carrier substrate is comprised of at least one metal from the group consisting of: aluminum, tin, copper, chromium, nickel, stainless steel and plated carbon steel.
- 11. A method according to claim 10, wherein said separation facilitating layer is a comprised of a natural occurring oxide of at least one metal comprising said carrier substrate.
- 12. A method according to claim 1, wherein said method further comprises applying said separation facilitating layer to said carrier substrate by subjecting the said carrier substrate to a stabilization process.
- 13. A method according to claim 1, wherein said step of vapor-depositing includes one of physical vapor deposition, chemical vapor deposition and a combination thereof.
- 14. A method according to claim 13, wherein said step of vapor-depositing includes vacuum deposition.
- 15. A method according to claim 1, wherein said vapor-deposited layer of copper has a thickness in a range of 50Å to 10,000Å.
- 16. A method according to claim 1, wherein said electrodeposited layer of copper has a thickness in a range of 1  $\mu$ m to 35  $\mu$ m.
- 17. A method according to claim 1, wherein said carrier substrate has a weight per unit area in a range of 0.5 oz/ft² to 3 oz/ft².
  - A component for use in forming a printed wiring board, comprising: a carrier substrate;

a separation facilitating layer formed on the carrier substrate;
a vapor-deposited layer of copper on the separation facilitating layer,
wherein the vapor-deposited layer protects the separation facilitating layer; and
an electrodeposited layer of copper on the vapor-deposited layer.

- 19. A component according to claim 18, wherein said separation facilitating layer includes at least one metal oxide.
- 20. A component according to claim 19, wherein said metal oxide is selected from the group consisting of: aluminum oxide, tin oxide, chromium oxide, nickel oxide, copper oxide, an oxide of stainless steel and zinc oxide.
- 21. A component according to claim 18, wherein said separation facilitating layer includes at least one organic material.
- 22. A component according to claim 21, wherein said separation facilitating layer includes at least one organic material selected from the group consisting of: silane, benzotriazole (BTA), and isopropyl alcohol.
- 23. A component according to claim 18, wherein said separation facilitating layer has a thickness in a range of 5Å to 1000Å.
- 24. A component according to claim 18, wherein said carrier substrate is comprised of copper.
- 25. A component according to claim 24, wherein said separation facilitating layer is a stabilization layer.
- 26. A component according to claim 25, wherein said stabilization layer includes chromium oxide and zinc oxide.

- 27. A component according to claim 18, wherein said carrier substrate is comprised of at least one metal from the group consisting of: aluminum, tin, copper, chromium, nickel, stainless steel and plated carbon steel.
- 28. A component according to claim 27, wherein said separation facilitating layer is a comprised of a natural occurring oxide of at least one metal comprising said carrier substrate.
- 29. A component according to claim 18, wherein said separation facilitating layer is a stabilization layer.
- 30. A component according to claim 1, wherein said vapor-deposited layer of copper is formed by one of physical vapor deposition, chemical vapor deposition and a combination thereof.
- 31. A component according to claim 30, wherein said vapor deposition includes vacuum deposition.
- 32. A component according to claim 18, wherein said vapor-deposited layer of copper has a thickness in a range of 50Å to 10,000Å.
- 33. A component according to claim 18, wherein said electrodeposited layer of copper has a thickness in a range of 1  $\mu m$  to 35  $\mu m$ .
- 34. A component according to claim 18, wherein said carrier substrate has a weight per unit area in a range of 0.5 oz/ft<sup>2</sup> to 3 oz/ft<sup>2</sup>.
- 35. A component according to claim 1, wherein said vapor-deposited layer of copper is formed by a combustion chemical vapor deposition process.